

Date: Wed, 10 Feb 93 09:06:32 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #193
To: Info-Hams

Info-Hams Digest Wed, 10 Feb 93 Volume 93 : Issue 193

Today's Topics:

 [ANS] Club callsigns
 Amplifier Tuning
 Batteries wanted
 Beware the Jabbawock and VEC
 CT vs NA ---> software pricing
Daily Solar Geophysical Data Broadcast for 09 February
 Kenwood TS-820 HF rig
 Latest-issued callsigns
 multiple licenses
Need Service Manual for Yaesu FT-727.
OPDX Bulletin #98 - 8 February 1993
Power Lines, EMF, and Po' Folks ;^)
ROMANCE IN ARKANSAS II

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 9 Feb 93 17:54:50 GMT
From: newshub.nosc.mil!dog.ee.lbl.gov!overload.lbl.gov!agate!spool.mu.edu!olivea!
pagesat!spssig.spss.com!news.oc.com!wizard!talon@network.UCSD.EDU
Subject: [ANS] Club callsigns
To: info-hams@ucsd.edu

WB5MQP - Radio East Texas State University

We have been here since 1974 (our oldest recorded date) but there has
been a Commerce radio club since at least World War II.

David Fox (KB5ULK) |Disclaimer: My words or actions
President, Radio East Texas State University|are not the official words or
Internet: talon@wizard.etsu.edu |actions of the University or of

Date: 9 Feb 93 17:26:40 EST
From: titan.ksc.nasa.gov!k4dii.ksc.nasa.gov!user@ames.arpa
Subject: Amplifier Tuning
To: info-hams@ucsd.edu

In article <8FEB199311324969@lims01.lerc.nasa.gov>,
lwwald@lims01.lerc.nasa.gov (LARRY WALD) wrote:
> I'd like to get some feedback concerning tuning a linear that is
> being driven by a solid state exciter. I finally have my
> SB-200 talking to my ICOM and I noticed that if I tuned the SB-200
> for minimum reflected SWR back to the ICOM that this point did not
> match the point for max. power out for the SB-200.

Larry-

Minimum input SWR suggests maximum power transfer into the PA grid. Could
you be overdriving the SB-200?

Another possibility might be the need to neutralize the SB-200.

I suppose my comments will expose the fact I've never had a linear
amplifier!

73, Fred, K4DII

fred-mckenzie@ksc.nasa.gov

Date: 10 Feb 93 04:22:35 GMT
From: ogicse!uwm.edu!zaphod.mps.ohio-state.edu!howland.reston.ans.net!
usenet.ins.cwru.edu!neoucom.edu!wtm@network.UCSD.EDU
Subject: Batteries wanted
To: info-hams@ucsd.edu

> can't find battery pack for Heat HW2P

This points out a good lesson. Always purchase the battery holder
for your HT that uses individual cells, if one is available. That
way, your HT won't be orphaned if the manufacturer decides to quit
making the brick pack. I've got several Icom BP-90 replacable cell

holders on hand just in case for my W2.

I miss things like the older Icom BP-8 (just one example of several manufacturers) packs that could be disassembled to have the cells inside replaced. In the age where it is fashionable and necessary to recycle items, I'd hope manufacturers would be hip enough to make battery packs that could be re-used, at least in part, rather than just tossed out.

Re: the HW2P, that wasn't exactly a rare radio; there must be some second-source battery vendor that could supply packs. I'd check that back of QST, CQ, Ham Radio Fun, etc. for advertisements.

--

Bill Mayhew NEOUCOM Computer Services Department
Rootstown, OH 44272-9995 USA phone: 216-325-2511
wtm@uhura.neoucom.edu (140.220.1.1) 146.580: N8WED

Date: 10 Feb 93 15:27:10 GMT
From: news-mail-gateway@ucsd.edu
Subject: Beware the Jabbawock and VEC
To: info-hams@ucsd.edu

>After our conversation, I went over the ARRL study guides and the ARRL
>FCC Rule book and could find no reference to the VEC holding up
>someone's application when another license was pending. So, it was
>either some procedure that only VECs know or something he invented. If
>the latter, he is guilty of not forwarding my Form 610 to the FCC
>within 10 days.

we have some copies of a form letter from the ARRL/VEC that explains this.
it's possible that we don't always hand 'em out in the heat of the exam
battle...

basically the FCC has the VECs hold up all license pending applications until
the next license is issued and the ham sends a copy of the new license on.

so if you hold a novice and upgrade to tech in january, pass general in
february, advanced in march, and extra in april, you'd send in a copy of the
tech license in march, the general license in may, the advanced in july, and
the extra would arrive about september (assuming about 8 weeks to turn the
application.) of course you would have been operating as an extra since
april. i couldn't say if there was a way for the VEC to gather up the
pendings and submit the whole thing at the time your general license comes
in.

73, bill wb9ivr

Date: 10 Feb 93 15:03:16 GMT
From: news-mail-gateway@ucsd.edu
Subject: CT vs NA ---> software pricing
To: info-hams@ucsd.edu

Both CT and NA are magnificent programs and they each required thousands of hours to write, debug, revise, support, improve, re-write, re-debug... etc. The individuals who wrote these programs, or other amateur radio programs of similar stature, could have written non-amateur programs in that same time and could probably make a lot more money (if money was their goal). But they didn't. They wrote amateur programs that have helped testers immensely and have changed the face of amateur radio competition. If they want to ask a measly \$70, or even \$100 for their efforts, then it's fine by me.

Let's see...

If K1EA spent 3,000 hours on CT (probably a horrible underestimate), and he actually receives \$25 net on each copy (I'm just guessing), then a thousand copies sold results in a whopping \$8.33 /hour for his time. A little overtime at McDonald's would have earned that much and probably would have been easier and caused much less wear-and-tear on his family.

I wrote a satellite tracking program ("RealTrak") and now I'm selling it to hams and commercially. I have receive a remarkable amount of criticism for actually charging anything at all for the program, despite have devoted at least 3,000 hours over five years on the project. You wouldn't believe some of the comments.

Where to hams get the idea that software should be free? Does anyone expect ICOM to give their equipment away, or to just charge the cost of the parts? Sure it would be nice, but hardly realistic. If K1EA wants to make money for CT, or if K6STI wants to make his whole living from selling antenna programs, then why shouldn't they?

Michael Owen W9IP
MROWEN@STLAWU

Date: 10 Feb 93 08:00:50 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 09 February
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 040, 02/09/93
 10.7 FLUX=185.1 90-AVG=138 SSN=188 BKI=3424 3333 BAI=017
 BGND-XRAY=C1.1 FLU1=2.8E+06 FLU10=9.9E+03 PKI=3434 4333 PAI=019
 BOU-DEV=033,060,018,068,031,031,025,020 DEV-AVG=035 NT SWF=01:002
 XRAY-MAX= M1.0 @ 0722UT XRAY-MIN= B7.7 @ 2050UT XRAY-AVG= C1.4
 NEUTN-MAX= +003% @ 0410UT NEUTN-MIN= -002% @ 2150UT NEUTN-AVG= -0.1%
 PCA-MAX= +0.2DB @ 0045UT PCA-MIN= -0.3DB @ 0635UT PCA-AVG= +0.0DB
 BOUTF-MAX=55425NT @ 0354UT BOUTF-MIN=55383NT @ 2017UT BOUTF-AVG=55400NT
 GOES7-MAX=P:+104NT@ 2029UT GOES7-MIN=N:+000NT@ 1040UT G7-AVG=+071,+035,+009
 GOES6-MAX=P:+121NT@ 1813UT GOES6-MIN=E:-006NT@ 1816UT G6-AVG=+081,+007,+048
 FLUXFCST=STD:185,180,175;SESC:185,180,175 BAI/PAI-FCST=015,015,010/015,015,010
 KFCST=3334 4333 3334 4333 27DAY-AP=009,016 27DAY-KP=1122 3324 3433 3333
 WARNINGS=*MAJFLR;*SWF;*PROTON;*PCA
 ALERTS=**MINFLR:M1.0/SN@0722UTC,S08E20(7420)
 !!END-DATA!!

 Date: 10 Feb 93 15:21:20 GMT
 From: news-mail-gateway@ucsd.edu
 Subject: Kenwood TS-820 HF rig
 To: info-hams@ucsd.edu

I have the opportunity to purchase a Kenwood TS-820 HF rig
 and I was wondering if anyone on the net had experience with
 a rig of this type or has some first hand knowledge of its
 advantages and disadvantages? Also what do you think would
 be a fair price to pay for such a rig??

Thanks and 73s - Warren (KD4???)

P.S. Tested Jan. 9th. Hopefully only 4-6 weeks left to wait!!??!!

--
 Warren E. Lewis saswel@unx.sas.com
 Graphics Division (919) 677-8001 x6542
 SAS Institute Inc. PP-ASEL
 Cary, NC DOD#0021

 Date: 9 Feb 93 19:05:21 GMT
 From: sun-barr!olivea!spool.mu.edu!hri.com!noc.near.net!news.bbn.com!bbn.com!
 levin@ames.arpa
 Subject: Latest-issued callsigns
 To: info-hams@ucsd.edu

rbook@owl.net.rice.edu (Robert Aaron Book) writes:

|Quite a while back someone posted a list of the most recently-issued
|callsigns (i.e., where the FCC was in the sequence) for the different
|call areas and callsign types. There was mention of a phone number
|from which this information could be obtained.

|Does anyone know this phone number?

(It is in the most excellent FAQL).

717-337-1212, business hours only. When the machine answers dial 2.
Then dial 2<N> (where <N> is your call district number).

But don't do it now. They still have the January assignments on the
machine. The February 1 assignments will probably be put up within a
few days.

/J N1MNF

=

Nets: levin@bbn.com		"How does a mouse let me move the cursor anywhere
pots: (617)873-3463		I want?" "What are address busses?" "How do
N1MNF		icons work?" --Time-Life Books

Date: Tue, 9 Feb 1993 17:32:39 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!spool.mu.edu!howland.reston.ans.net!
zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!The-Star.honeywell.com!umn.edu!
csus.edu!netcom.@poisson.nosc.mil
Subject: multiple licenses
To: info-hams@ucsd.edu

In article <86748@ut-emx.uucp> oo7@astro.as.utexas.edu (Derek Wills) writes:

>rossi@gvlf9-q.gvl.unisys.com (Pete Rossi) asks:

>

>> What mechanism does the FCC and VECs have to prevent someone from
>> obtaining more than one amateur license?

>

>Unless you go straight from nothing to Extra class, you get one or
>more intermediate licenses and (if you want to) several different
>callsigns. Each license is good for 10 yrs and I don't see anything
>that says that your earlier license expires when you upgrade. It may
>be in the small print somewhere, and there are few occasions when you
>would want to use more than one of your callsigns.

That's an interesting point. When upgrading/moving or otherwise asking

for a new call, you don't know what your new callsign is until you receive it in the mail. So if your old license is invalid when your new license is issued, then you would be operating illegally from the time the new callsign was issued until you received it.

If a new license invalidates the old license, then this must be an infringement that FCC just overlooks...

Just my personal observation,

--

Mont Pierce

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+-----+
| Ham Call: KM6WT           Internet:  mont@netcom.com       |
|   bands: 80/40/20/2      IBM vnet:  mont@vnet.ibm.com      |
|   modes: cw,ssb,fm       |                                 |
|   qth: Fremont, CA       Religion:  Jehovah's Witnesses   9/72 |
+-----+
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Date: 09 Feb 93 19:29:13
From: news.service.uci.edu!ucivax!ofa123!ofa123!Damien.Walters!
f203.n103.z1.fidonet.org@network.UCSD.EDU
Subject: Need Service Manual for Yaesu FT-727.
To: info-hams@ucsd.edu

I am in desperate need of a service manual for the Yaesu FT-727. I would greatly appreciate it if somebody could send a copy and I would be more than happy to reimburse for postage. Thank You.

-Damien Walters
21882 Seacrest Lane
Huntington Beach, CA 92646
KD6MNH @ WB6YMH

--- GEcho 1.00/beta+

Date: Mon, 8 Feb 1993 19:11:31 MST
From: gumby!destroyer!cs.ubc.ca!unixg.ubc.ca!kakwa.ucs.ualberta.ca!alberta!adec23!ve6mgs!usenet@yale.arpa
Subject: OPDX Bulletin #98 - 8 February 1993
To: info-hams@ucsd.edu

The Ohio/Penn Dx PacketCluster
DX Bulletin No. 098 (OPDX.098)

February 8, 1992

Editor Tedd Mirgliotta, KB8NW

Provided by BARF-80 BBS Cleveland, Ohio

Online at 216-237-8208 14400/9600/2400/1200/300 8/N/1

Thanks to the Northern Ohio Amateur Radio Society, Northern Ohio DX Association, Ohio/Penn PacketCluster Network, DXAC, K1ER, KE2LJ, JH1FDP, SM40TI, PA3DZN, AA6KX and KR0Y for the following DX information.

7S4SKI (SPECIAL EVENT). Stefan (SM40TI) informed OPDX that this Special Event station will be active from the city of Falun, Central Sweden. Activity will be from February 18-28 to celebrate the competition at the "Cross-Country Ski World Championship". Activity will be on 80=10 meters, both CW and SSB. All QSLs go to SM4EAC via the bureau or direct.

AH1A UPDATE. This group had to stay a couple of extra days due to bad weather. Last heard, the group netted just under 50,000 QSOs.

KH5K & KH5, KINGMAN REEF & PALMYRA ISLANDS. (UPDATE 31-JAN-93)

The following is a progress report of the preparations for the combined KH5 and KH5K operations: Operators at this stage include N0AFW, N9NS, W7KNT, NH6UY, VE5RA, OZ1LGF, G0LMX, HB9AEE, HB9AHL, PA3DZN and PA0ERA. They are still looking for one more operator to complete the team of twelve (a first-class CW operator is strong preference). The cost will amount to \$3,500 (U.S) per participant (exclusive travel expenses to KH6), and one must have the ability to take a one-month leave (26 Feb to 26 Mar). The radio-equipment has all been taken care of and is on the way to Honolulu, Hawaii. Antennas and other materials are being collected and sent to Hawaii as well. W7KNT and NH6UY will test all equipment in Honolulu prior to departure. Special attention will be taken in account on the difficult path to Europe, either short or long path. Therefore, during openings to Europe at least two stations will be working Europe, on two different bands or on the same band CW and SSB simultaneously. Special attention will be paid to typical sunrise/sunset propagation. It is imperative that KH5K is the driving force of this DXpedition, and it will have priority in the decision making. It is evident that outside the few hours that there are conditions to Europe, the objective is to hand out as many new ones as possible. The target is to make at least 40,000 QSOs from KH5K, and at least 20,000 from KH5. The CW/SSB share should be fifty-fifty. Other goals are to be active as much on WARC and low bands. During the first days of the operation only a few bands may be used to maximize the number of individual callsigns to give as many a new one as possible. This is a complex operation, as far as frequency coordination is concerned. Having two rare countries on the air simultaneously demands for an efficient use of the available spectrum with respect to both the transmit and receive frequencies. The receive windows (split) were carefully chosen to avoid the pile-up of one station covering the transmit frequency of the other (generally not wider than 10

kHz), and at the same time avoid using too much spectrum on a band in order to respect the not DX-oriented band users. On the other hand, they urge the DXers to be careful and listen to the directions of the operator. The following are the transmit frequencies that will be used:

KINGMAN REEF:

CW - 1835, 3505, 7020, 10104, 14020, 18070, 21020, 24895, 28020
SSB- 1835, 3795, 7075, 14195, 18115, 21295, 24935, 28495

PALMYRA:

CW - 1825, 3525, 7005, 10124, 14045, 18095, 21045, 24915, 28045
SSB- 1825, 3790, 7085, 14145, 18145, 21245, 24965, 28395

SIX METERS - KH5K: 50.110 beacon and transmit frequency
- KH5 : 50.120 beacon and transmit frequency

RTTY : 14080, 21080 and 28080 for both locations. It is evident that KH5 and KH5K cannot operate simultaneously on one band. NOTE: RTTY will commence during the last 3-4 days of the operation. (KH5K is needed (1#) World Wide on this mode)

During the 5-day boat trip from KH6 to KH5K, we will be active /MM to observe the openings to various parts of the world.

Note that donations are still welcomed and needed. Europeans please contact either:

G0LMX - Vincent Denecker
30 Ballard Chase

PA3DZN - Alex van Eijk
Box 162

Abingdon, Oxfordshire
OX14 1XQ, England

NL-5170AD Kaatsheuvel,
The Netherlands

Non-Europeans please contact:

NOAFW: Peter Meyer
13647 Sunset Drive
Whittier, CA 90602
U.S.A.

PACIFIC DXPEDITIONS. Tosy (JA6VZB) will be active in the ARRL DX SSB Contest from Belau, signing KC6VW. He will be there March 5th to 10th and plans to be active on RTTY, 160 meters and the WARC bands. On March 10th, he will be active as AH0AL on Rota Island (part of the Mariana Islands) until March 13th. He will return to KC6 on March 28th with Shoji (JA6EGL) and be active until the 31st. Shoji will sign KC6MS. Both

will then travel to Yap Island (part of Micronesia) from March 31st to April 4th. Tosi will sign V63BM and Shoji will use V63MK. QSLs for KC6VW, AH0AL and V63BM go to JA6BSM. QSLs for KC6MS and V63MK go JA6EGL.

VP5, TURKS & CAICOS ISLANDS. Jeff (KR0Y) will be active from February 17 to 23 as VP5F. He plans to be active in the ARRL DX CW Contest (as single operator/all mode category). Frequencies during the contest should be around 28028, 21028, 14028, 7028, 3528 and 1828 kHz. Activity outside the contest will be mainly on 40, 80 and 160 meters. QSL via KR0Y.

ZF, CAYMAN ISLANDS. Bruce (AA6KX) will be active from here February 18 thru the 24th as ZF2TV. Activity will be participation in the ARRL DX CW Contest. Operation will be all bands, single op and high power. QSL via AA6KX.

DXAC HAPPENING. Continued discussions on: the split of Czechoslovakia (DXCC country status), Eritrea (possible new country) and Mount Athos (possible DXCC country deletion). All ballot dates are yet to be determined. The ARRL Awards Committee Chairman, Chuck Hutchinson (K8CH) has requested that the DXAC study and recommend an addition to DXCC rules that addresses abuses in QSLing practices by certain individuals and DXpeditions. The DXAC Chairman has designated this an external agenda item to solicit input and comments from DXers worldwide. Under "Open Issue", the DXAC will be voting on two issues the week of 8 March 1993. The first vote will deal with two motions by Bill (KC1AG) on distributing a monthly DXAC bulletin via W1AW. The second vote will deal with the revision of a DXCC Rule "Section I. Basic Rules, Rule 10". Another change has been reported on the DXAC. Dave Norton (AB90) is the new DXAC member for the Northwestern Division.

FAX YOUR DX INFORMATION NOW! This is just in the testing stage, but faxing will be available Monday/Wednesday/Friday from 0430 to 2030z only. The number is 216-237-2816 and operates only Class 2 Fax. Use only the dates and times specified because this is not a dedicated line.

KEEP THOSE BALLOTS COMING! Ballots for the Second Annual OPDX/NODXA DX Survey can be found in OPDX.088. Ballots can be sent to the following packet and online addresses listed below.

Excerpts and distribution of The OPDX Bulletin are granted as long as OPDX/BARF80 receive credit. To contribute DX info, call BARF-80 BBS online at 216-237-8208 14400/9600/2400/1200/300 and leave a message with the Sysop or send InterNet Mail to: aq474@cleveland.freenet.edu or send BitNet Mail to: aq474@cleveland.freenet@cunyvms or send PRODIGY Mail to: DFJH48A or send a message via packet to KB8NW @ WA8BXN.OH.USA.NA (pm)

--

Jim Reisert

Internet: reisert@mast.enet.dec.com

hazardous...there was a landmark court case involving the city government of Brentwood, TVA, and the homeowners attempting to define EMF hazard, responsibility, and property rights. I forget all the details, and it would not be appropriate to post here, but curious souls could write to the City Manager, City Hall, Brentwood, TN 37027 for more info...

The entrances to *both* bordering subdivisions are cleverly well out of sight of the power-lines, and until you really look carefully you don't notice them because they are so huge, and the towers so far apart...

Naughty, huh? ;^)

73

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-----
| Jack GF Hill      Voice: (615)459-2636   root@jackatak.raidernet.com |
| P. O. Box 1685    modem: (615)377-5980    Compu$erve 76427,31 |
| Brentwood, TN 37024 Bicycling and SCUBA Diving Ham Call: W4PPT |
+-----+
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Date: 9 Feb 93 08:57:00 GMT

From: usc!zaphod.mps.ohio-state.edu!moe.ksu.ksu.edu!engr.uark.edu!mbox.ualr.edu!

chaos!paul.graziani@network.UCSD.EDU

Subject: ROMANCE IN ARKANSAS II

To: info-hams@ucsd.edu

I recently posted some info on a special event station to be operated on February 14 from Romance, Arkansas.

I failed to mention that all operations will be SSB.
There will be operations only on 40, 20, 15, and 10 if prop permits.
No 6, 2, or 70cm ops, sorry!
No RTTY or cw either. Please no flames.
I know that the location is a rare grid square and all that but our resources are limited.

73,

Paul Graziani WD5BIV

Date: 7 Feb 93 17:09:00 GMT

From: spooky!witr@uunet.uu.net

To: info-hams@ucsd.edu

References <C1xxA1.KAp@boi.hp.com>, <1993Feb5.002546.355@sfu.ca>,
<1993Feb5.120052.28340@mlb.semi.harris.com>

Reply-To : witr@rwwa.com
Subject : Re: No Code Proposition

In article <1993Feb5.120052.28340@mlb.semi.harris.com>, jhobson@SU19F.harris-atd.com (Harv Hobson) writes:

| In article <1993Feb5.002546.355@sfu.ca> richard@sfu.ca writes:
| >Ooops! Better go back and look at some of those EE books again! (:-) While
| >CW does not consume as large a bandwidth as SSB voice, it is more than
| >just a carrier wave - *any* modulation requires bandwidth, including just
| >switching the carrier on and off, and all the more so if the switching is
| >done quickly or noisily
| >
| Ooops! As I understand it, code speed does not determine bandwidth, but
| the shape of the signal, i.e., how rapidly the carrier goes from off to
| full power. The steeper the slope, the higher the bandwidth. At slow
| CW speeds the transition from off to on *could* be made slower, so indirectly
| the code speed effects bandwidth.

Ooops! Suggest you check the references. The *minimum* bandwidth of
a CW signal (which is really, after all, an AM signal) is *directly* related
to the keying speed. Depending on the keying envelope, (which is really,
after all, a filtering of the modulating signal) it can get larger than the
minimum.

--

Robert Withrow, Tel: +1 617 598 4480, Fax: +1 617 598 4430, Net: witr@rwwa.COM
R.W. Withrow Associates, 21 Railroad Ave, Swampscott MA 01907-1821 USA

End of Info-Hams Digest V93 #193
